



TrueCircle Surface & Suspended

SM250C 20S/840 PSD PSP D380 WH

TrueCircle Surface & Suspended, 20 W, D380 mm, 2000 lm, 4000 K, DALI

TrueCircle is a functional surface mount round luminaire with a strict classical design to fit in almost any office space. It is a modern, unobtrusive designed family of luminaire in Surface mounted & Suspended providing direct diffuse light ensuring this luminaire will blend into the architecture of most buildings. This range features a selection of 2 different sizes, light outputs, and optics. The special micro prismatic optics provides glare-free comfort & also infuses the homogeneous light by offering full Office compliance. This new round luminaire from Philips offers sustainable solution with installation flexibility, creating exemplary illumination & high quality of light.

Product data

General Information		Operating and Electrical	
Light source replaceable	No	Correlated Color Temperature (Nom)	4000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	101 lm/W
Gear	EB [Electronic]	Color rendering index (CRI)	>80
Driver included	Yes	Beam angle of light source	120 degree(s)
Service tag	Yes	Light source color	840 neutral white
Lighting Technology	LED	Optic type	Wide beam
Value ladder	Performance	Luminaire light beam spread	120°
Warranty period	5 years	Unified glare rating CEN	22
Light Technical		Input Voltage	220 to 240 V
Luminous Flux	2,000 lm	Line Frequency	50 to 60 Hz
Saturated Red (R9)	<50	Average CLO power consumption	- W

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Inrush current	18 A
Inrush time	250 ms
Power Consumption	20 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	34
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%

Mechanical and Housing

Housing Material	Aluminium
Reflector material	Steel
Optic material	-
Optical cover material	Polystyrene
Fixation material	-
Housing Color	White
Optical cover finish	Matte
Overall length	380 mm
Overall height	115 mm
Overall diameter	380 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	2.200 kg

Emergency Operation

Central Emergency	No
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Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-

Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-10 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <lt/>3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	80 %
Control gear failure rate at median useful life 50000 h	0.1 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.

Product Data

Order product name	SM250C 20S/840 PSD PSP D380 WH
Full product name	SM250C 20S/840 PSD PSP D380 WH
Full product code	871869979804800
Order code	912401483444
Material Nr. (12NC)	912401483444
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699798048
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699798048

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Dimensional drawing

